WHAT IS CLAIMED IS:

1. A method for acquiring an elongated radiographic image comprising:

positioning an elongated object between a source of x-rays and a digital image capture device having a known imaging dimension which is less than a like dimension of said elongated object;

moving said device in a direction parallel to said known imaging dimension to sequential contiguous positions to acquire a sequence of radiographic images of said elongated object; and

rotating said source of x-rays about an axis perpendicular to said direction of moving said device in coordination with said moving project said x-rays from said source toward said device.

2. The method of claim 1 including adjusting the aperture of a collimator located between said source and said object so that said projected x-rays cover the device for imaging.

3. The method of claim 1 wherein said source of x-rays is rotated about an axis coincident with the x-ray focal spot of said source.

4. The method of claim 1 wherein aid source of x-rays is rotated about an axis the distance of which from the x-ray focal spot of said source is far less than the distance from said source of x-rays to said image capture device.

5. The method of claim 1 wherein said elongated object positioned is an elongated human body part.